

### **REMARKS**

In response to the Final Office action dated August 7, 2007 Applicants respectfully request reconsideration based on the above amendments and the following remarks. Applicants respectfully submit that the claims as presented are in condition for allowance.

Claims 3-19 are pending in the present application. Claims 1 and 2 have been previously cancelled. The Applicants gratefully acknowledge that the Examiner has indicated that the present application includes allowable subject matter. The Examiner has stated that claims 3-17 are in condition for allowance. Claims 18 and 19 have been canceled, leaving claims 3-17 for consideration upon entry of the above amendments and the following remarks.

No new matter has been introduced by the above amendments or the following remarks. Reconsideration and allowance of the claims are respectfully requested in view of the above amendments and the following remarks.

#### **Claim Rejections Under 35 U.S.C. §§ 102 and 103**

Claims 18 and 19 stand rejected under 35 U.S.C. § 102(b) as being allegedly anticipated by Tomecek (U.S. Patent No. 4,112,923). The Examiner states that Tomecek discloses all of the elements of the abovementioned claims, primarily in FIGS. 3 and 11, and column 7, lines 50-52, and column 8, lines 43-44. In the alternative, the Examiner also states that claims 18 and 19 may be rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Tomecek in view of the knowledge available to one of ordinary skill in the art.

Claims 18 and 19 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Meadows et al. (U.S. Patent No. 6,553,263, hereinafter "Meadows") in view of the knowledge available to one of ordinary skill in the art. The Examiner states that Meadows discloses all of the elements of claim 18 except, *that the connector voltage varies from 1 mV to 100 mV*, which the Examiner further states would have been obvious to one of ordinary skill in the art at the time of the invention. The Examiner states that Meadows discloses all of the elements of claim 19 except, *that the pulse rate spans 7-14 Hz*, which the Examiner further states would have been obvious to one of ordinary skill in the art at the time of invention.

Applicants have cancelled claims 18 and 19, rendering rejections thereto moot.

**Conclusion**

In view of the foregoing, it is respectfully submitted that the instant application is in condition for allowance. Accordingly, it is respectfully requested that this application be allowed and a Notice of Allowance issued. If the Examiner believes that a telephone conference with Applicants' attorneys would be advantageous to the disposition of this case, the Examiner is cordially requested to telephone the undersigned.

Applicants hereby petition for any necessary extension of time required under 37 C.F.R. 1.136(a) or 1.136(b) which may be required for entry and consideration of the present Reply.

In the event the Commissioner of Patents and Trademarks deems additional fees to be due in connection with this application, Applicants' attorney hereby authorizes that such fee be charged to Deposit Account No. 06-1130.

Respectfully submitted,

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